

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error |
|----|------|------|---|--|---------------------|----------|-------|
| 54 | BRS | 1 | capacitor with series with trench and (photo\$5 or sensor) and pixel | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 12:43 | | 0 |
| 55 | BRS | 156 | pixel adj cell with capacitor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 12:44 | | 0 |
| 56 | BRS | 5 | pixel adj cell with capacitor with (series or serial\$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 12:45 | | 0 |
| 57 | BRS | 14 | pixel adj cell near capacitor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 13:35 | | 0 |
| 58 | BRS | 658 | photogate | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 13:36 | | 0 |
| 59 | BRS | 164 | photogate same floating adj diffusion | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 13:36 | | 0 |
| 60 | BRS | 1 | photogate same floating adj diffusion and float\$4 adj diffusion near capacitor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 13:44 | | 0 |
| 61 | BRS | 1 | photogate and float\$4 adj diffusion near capacitor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 13:44 | | 0 |
| 62 | BRS | 14 | photodiode and float\$4 adj diffusion near capacitor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 13:44 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Errors |
|---|------|------|--|--|---------------------|----------|--------|
| 1 | BRS | 56 | pixel and collect\$4 with \$5sensor and capacitor with seri\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 12:14 | | 0 |
| 2 | BRS | 4 | pixel and collect\$4 with \$5sensor and capacitor with seri\$5 with collect\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/10 19:32 | | 0 |
| 3 | BRS | 5 | pixel near cell and collect\$4 with \$5sensor and capacitor with seri\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/10 19:34 | | 0 |
| 4 | BRS | 0 | pixel and collect\$4 with \$5sensor and capacitor with seri\$5 and capacitor with trench | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 09:32 | | 0 |
| 5 | BRS | 3 | pixel and collect\$4 with \$5sensor and (float\$4 near diffusion or FD)and seri\$5 and capacitor with trench | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 09:37 | | 0 |
| 6 | BRS | 3 | pixel and collect\$4 with capacitor with \$5sensor and (float\$4 near diffusion or FD) and capacitor with trench | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 09:41 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Errors |
|----|------|------|--|--|---------------------|----------|--------|
| 7 | BRS | 11 | pixel and collect\$4 with capacitor with \$5sensor and (float\$4 near diffusion or FD) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 09:41 | | 0 |
| 8 | BRS | 407 | pixel and collect\$4 with \$5sensor and capacitor and seri\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 10:02 | | 0 |
| 9 | BRS | 40 | pixel and collect\$4 with \$5sensor with capacitor and seri\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 10:06 | | 0 |
| 10 | BRS | 20 | pixel and collect\$4 with \$5sensor with capacitor and seri\$5 and float\$4 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 10:03 | | 0 |
| 11 | BRS | 10 | pixel and collect\$4 with \$5sensor with capacitor and seri\$5 and float\$4 near diffusion | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 10:04 | | 0 |
| 12 | BRS | 10 | pixel and collect\$4 with \$5sensor with capacitor and seri\$5 and (float\$4 near diffusion or fd) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 10:04 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error |
|----|------|------|--|--|---------------------|----------|-------|
| 13 | BRS | 3 | pixel and collect\$4 with \$5sensor with capacitor and capacitor with trench and seri\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 10:07 | | 0 |
| 14 | BRS | 4 | pixel and collect\$4 with \$5sensor with capacitor and capacitor with trench | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 10:07 | | 0 |
| 15 | BRS | 5 | pixel and collect\$4 with \$5sensor and capacitor with seri\$5 and transfer\$4 near (transistor or gate) and reset near (transistor or gate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 13:13 | | 0 |
| 16 | BRS | 2 | photogate and collect\$4 with \$5sensor and capacitor with seri\$5 and transfer\$4 near (transistor or gate) and reset near (transistor or gate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 13:15 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Errors |
|----|------|------|---|--|---------------------|----------|--------|
| 17 | BRS | 7 | photogate and collect\$4 and capacitor with seri\$5 and transfer\$4 near (transistor or gate) and reset near (transistor or gate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 13:20 | | 0 |
| 18 | BRS | 7 | photogate and capacitor with seri\$5 and transfer\$4 near (transistor or gate) and reset near (transistor or gate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 13:20 | | 0 |
| 19 | BRS | 33 | (photogate or photodiode) and capacitor with seri\$5 and transfer\$4 near (transistor or gate) and reset near (transistor or gate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 13:21 | | 0 |
| 20 | BRS | 20 | (photogate or photodiode) and collect\$5 and capacitor with seri\$5 and transfer\$4 near (transistor or gate) and reset near (transistor or gate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 13:43 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Errors |
|----|------|------|---|--|---------------------|----------|--------|
| 21 | BRS | 23 | (photogate or photodiode) and capacitor with (coupl\$4 or connect\$4) with seri\$5 and transfer\$4 near (transistor or gate) and reset near (transistor or gate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 13:44 | | 0 |
| 22 | BRS | 24 | (photogate or photodiode or photo adj gate or photo adj diode) and capacitor with (coupl\$4 or connect\$4) with seri\$5 and transfer\$4 near (transistor or gate) and reset near (transistor or gate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 13:51 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Errors |
|----|------|------|--|--|---------------------|----------|--------|
| 23 | BRS | 29 | (photo\$7 or photo adj sensor or photo adj gate or photo adj diode) and capacitor with (coupl\$4 or connect\$4) with seri\$5 and transfer\$4 near (transistor or gate) and reset near (transistor or gate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 14:34 | | 0 |
| 24 | BRS | 51 | Capacitor with (coupl\$4 or connect\$4) with seri\$5 and source near follower and row near select | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 14:36 | | 0 |
| 25 | BRS | 9 | Capacitor with (coupl\$4 or connect\$4) with seri\$5 and source near follower and row near select and (float\$4 near diffusion or fd) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 22:11 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Errors |
|----|------|------|---|--|---------------------|----------|--------|
| 26 | BRS | 24 | pixel and capacitor with (coupl\$4 or connect\$4) with seri\$5 and source near follower and (float\$4 near diffusion or fd) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 17:58 | | 0 |
| 27 | BRS | 10 | 5464984.URPN. | USPAT | 2004/03/11 23:24 | | 0 |
| 28 | BRS | 8 | pixel and capacitor with (coupl\$4 or connect\$4) with seri\$5 and source adj follower and row adj select and (float\$4 near diffusion or fd) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/11 23:28 | | 0 |
| 29 | BRS | 10 | 5464984.URPN. | USPAT | 2004/03/12 17:11 | | 0 |
| 30 | BRS | 4 | 5464984.URPN. and capacitor | USPAT | 2004/03/12 17:09 | | 0 |
| 31 | BRS | 4 | 5464984.URPN. and capacitor and pixel | USPAT | 2004/03/12 17:09 | | 0 |
| 32 | BRS | 1 | 5464984.URPN. and capacitor with pixel | USPAT | 2004/03/12 17:09 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error |
|----|------|------|--|--|---------------------|----------|-------|
| 33 | BRS | 16 | ("4322752" "4330796" "4543534" "4558365" "4689487" "4765681" "4810881" "4980769" "5043582" "5105087" "5194736" "5220170" "5245191" "5274476" "5369281" "5381013") .PN. | USPAT | 2004/03/12 17:11 | | 0 |
| 34 | BRS | 6 | pixel near cell with capacitor with (coupl\$4 or connect\$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 17:22 | | 0 |
| 35 | BRS | 86 | with serial\$5 pixel and\$5 capacitor with (coupl\$4 or connect\$4) and source near follower and (float\$4 near diffusion or fd) and (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj select | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 18:00 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error |
|----|------|------|--|--|---------------------|----------|-------|
| 36 | BRS | 77 | pixel near cell and capacitor with (coupl\$4 or connect\$4) and source near follower and (float\$4 near diffusion or fd) and (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj se | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 18:01 | | 0 |
| 37 | BRS | 59 | pixel near cell and storage near capacitor with (coupl\$4 or connect\$4) and source near follower and (float\$4 near diffusion or fd) with (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj se | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 18:06 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Initiation | Errors |
|----|------|------|--|--|---------------------|----------|---------------------|--------|
| 38 | BRS | 3 | pixel near cell and storage near capacitor with (float\$4 near diffusion or fd) and source near follower and (float\$4 near diffusion or fd) with (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj select | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 18:11 | | | 0 |
| 39 | BRS | 0 | pixel near cell and storage near capacitor near (float\$4 near diffusion or fd) and source near follower and (float\$4 near diffusion or fd) with (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj select | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 18:12 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error |
|----|------|------|--|--|---------------------|----------|-------|
| 40 | BRS | 0 | pixel and capacitor near (float\$4 near diffusion or fd) and source near follower and (float\$4 near diffusion or fd) with (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj select | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 18:12 | | 0 |
| 41 | BRS | 2 | pixel and capacitor near3 (float\$4 near diffusion or fd) and source near follower and (float\$4 near diffusion or fd) with (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj se | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 18:28 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error |
|----|------|------|--|--|---------------------|----------|-------|
| 42 | BRS | 0 | pixel and capacitor near (float\$4 near diffusion or fd) and source near follower and (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj select | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 18:28 | | 0 |
| 43 | BRS | 9 | pixel and capacit\$4 near (float\$4 near diffusion or fd) and source near follower and (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj select | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 18:52 | | 0 |
| 44 | BRS | 11 | pixel and capacit\$4 with (connect\$4 or coupl\$4) with (float\$4 near diffusion or fd) and source near follower and (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj select | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 19:15 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Errors |
|----|------|------|--|--|---------------------|----------|--------|
| 45 | BRS | 11 | capacit\$4 with (connect\$4 or coupl\$4) with (float\$4 near diffusion or fd) and source near follower and (photosensor or photodiode or photo adj diode or photo adj sensor) and row adj select | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 19:16 | | 0 |
| 46 | BRS | 31 | capacit\$4 with (connect\$4 or coupl\$4) with (float\$4 near diffusion or fd) and source near follower and (photosensor or photodiode or photo adj diode or photo adj sensor) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 19:32 | | 0 |
| 47 | BRS | 5 | stor\$4 with capacit\$4 with (connect\$4 or coupl\$4) with (float\$4 near diffusion or fd) and source near follower and (photosensor or photodiode or photo adj diode or photo adj sensor) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 19:36 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Command | Errors |
|----|------|------|--|--|---------------------|---------|--------|
| 48 | BRS | 6 | stor\$4 with capacit\$4 with (connect\$4 or coupl\$4) with (float\$4 near diffusion or fd) and (photosensor or photodiode or photo adj diode or photo adj sensor) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/12 19:37 | | 0 |
| 49 | BRS | 380 | capacitor with seri\$5 and trench with capacitor and plate with capacitor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 12:24 | | 0 |
| 50 | BRS | 81 | capacitor with seri\$5 with trench and plate with capacitor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 12:16 | | 0 |
| 51 | BRS | 27 | stor\$4 with capacitor with seri\$5 with trench and plate with capacitor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 12:17 | | 0 |
| 52 | BRS | 30 | stor\$4 with capacitor with seri\$5 with trench and (plate or stud or stack\$3) with capacitor | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 12:18 | | 0 |
| 53 | BRS | 16 | capacitor with series with trench and (photo\$5 or sensor) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/03/15 12:38 | | 0 |